

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application:

--1-3. (Cancelled)

--4. (Currently Amended) A battery charging/discharging apparatus for determining [[a]] an actual remaining capacity of a battery, comprising:

detecting means for detecting a cell voltage;

~~calculating~~ means for ~~calculating~~ determining a remaining capacity value based on the cell voltage detected by said detecting means;

a memory for storing the determined remaining capacity value ~~calculated by said calculating means~~;

~~control means for causing said calculating means to subsequently calculate a current remaining capacity value based on a current cell voltage detected by said detecting means;~~

comparing means for comparing the remaining capacity value read from said memory with ~~the~~ a current remaining capacity value determined by said means for determining; and

updating means for periodically updating the remaining capacity value stored in the memory based on a result of said comparing means[[.]] ,

wherein said updating means replaces the remaining capacity value stored in the memory with the current remaining capacity value determined by said means for determining in case that the remaining capacity value stored in the memory is greater than the current remaining capacity value determined by said means for determining.

--5. (Cancelled)

--6. (Currently Amended) A battery charging/discharging method of a battery charging/discharging apparatus for determining an actual remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

detecting a cell voltage;

~~calculating~~ determining a remaining capacity value based on the cell voltage detected in the detecting step;

storing in a memory the remaining capacity value ~~calculated~~ determined in said step of ~~calculating~~ determining;

~~subsequently calculating a current remaining capacity value based on a current cell voltage detected in said step of detecting;~~

comparing the remaining capacity value read out from the memory with ~~the~~ a current remaining capacity value

obtained by performing again said steps of detecting and determining; and

periodically updating the remaining capacity value stored in the memory based on a result in the comparing step[[.]] ,

wherein said periodically updating replaces the remaining capacity value stored in the memory with the current remaining capacity value in case that the remaining capacity value stored in the memory in the step of storing is greater than the current remaining capacity value.